

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092623\
 Data File : BG059192.D
 Acq On : 26 Sep 2023 10:56
 Operator : MA/JU
 Sample : PB155787BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SBLK787

Quant Time: Sep 26 22:32:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 25 22:33:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng/ul	-8.31
20) Naphthalene-d8	11.144	136	490	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.916	164	717	20.000	ng/ul	#-0.02
64) Phenanthrene-d10	17.678	188	1683	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.002	240	914	20.000	ng/ul	# 0.00
88) Perylene-d12	25.533	264	1132	20.000	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.612	96	5742	0.000	ng/uL	-0.01
4) Pyridine-d5	4.041	84	90204	0.000	ng/ul	-0.02
7) Phenol-d5	7.419	99	113316	0.000	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.613	67	71688	0.000	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.813	132	80121	0.000	ng/ul	-0.01
15) 4-Methylphenol-d8	8.988	113	85305	0.000	ng/ul	-0.01
21) Nitrobenzene-d5	9.493	128	42867	11337.213	ng/ul	-0.01
24) 2-Nitrophenol-d4	10.210	143	47432	12417.957	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.739	165	80304	11074.127	ng/ul	-0.01
31) 4-Chloroaniline-d4	11.285	131	133607	11804.881	ng/ul	-0.01
46) Dimethylphthalate-d6	14.317	166	364246	6605.505	ng/ul	-0.01
49) Acenaphthylene-d8	14.628	160	376955	5614.255	ng/ul	0.00
54) 4-Nitrophenol-d4	15.116	143	21749	2161.801	ng/ul	0.00
60) Fluorene-d10	15.909	176	301502	5973.272	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	16.015	200	44996	4702.617	ng/ul	-0.02
73) Anthracene-d10	17.772	188	477369	6233.796	ng/ul	-0.01
81) Pyrene-d10	20.045	212	553638	10363.289	ng/ul	-0.01
92) Benzo(a)pyrene-d12	25.298	264	419514	7589.632	ng/ul	-0.02
Target Compounds						
					Qvalue	
22) Nitrobenzene	9.534	77	106	12.380	ng/ul#	34
23) Isophorone	10.040	82	82	4.466	ng/ul#	68
29) 2,4-Dichlorophenol	10.756	162	132	18.007	ng/ul#	1
30) Naphthalene	11.279	128	103	3.928	ng/ul#	1
34) Caprolactam	12.037	113	169	62.954	ng/ul#	1
47) Dimethylphthalate	14.317	163	336	5.966	ng/ul#	1
48) 2,6-Dinitrotoluene	14.329	165	588	56.496	ng/ul#	27
61) Fluorene	15.891	166	870	15.795	ng/ul#	38
63) 4-Nitroaniline	16.009	138	226	21.230	ng/ul#	1
66) 4,6-Dinitro-2-methylph...	16.015	198	274	26.568	ng/ul#	1
67) N-Nitrosodiphenylamine	16.032	169	153	3.415	ng/ul#	1
69) Hexachlorobenzene	17.049	284	67	3.572	ng/ul#	43
70) Atrazine	17.119	200	54	3.029	ng/ul#	36
71) Pentachlorophenol	17.166	266	144	11.820	ng/ul#	16
74) Anthracene	17.777	178	186	1.933	ng/ul#	61
78) Di-n-butylphthalate	18.582	149	217	2.202	ng/ul#	78
83) Butylbenzylphthalate	20.933	149	138	5.502	ng/ul#	1
84) 3,3'-Dichlorobenzidine	21.896	252	120	5.433	ng/ul#	78
85) Benzo(a)anthracene	21.973	228	244	3.677	ng/ul#	52
86) Bis(2-ethylhexyl)phtha...	21.808	149	168	4.477	ng/ul#	50
87) Chrysene	22.031	228	122	1.971	ng/ul#	50
89) Di-n-octyl phthalate	23.112	149	416	6.011	ng/ul	100
90) Benzo(b)fluoranthene	24.376	252	227	3.291	ng/ul#	50
91) Benzo(k)fluoranthene	24.464	252	459	6.418	ng/ul#	61

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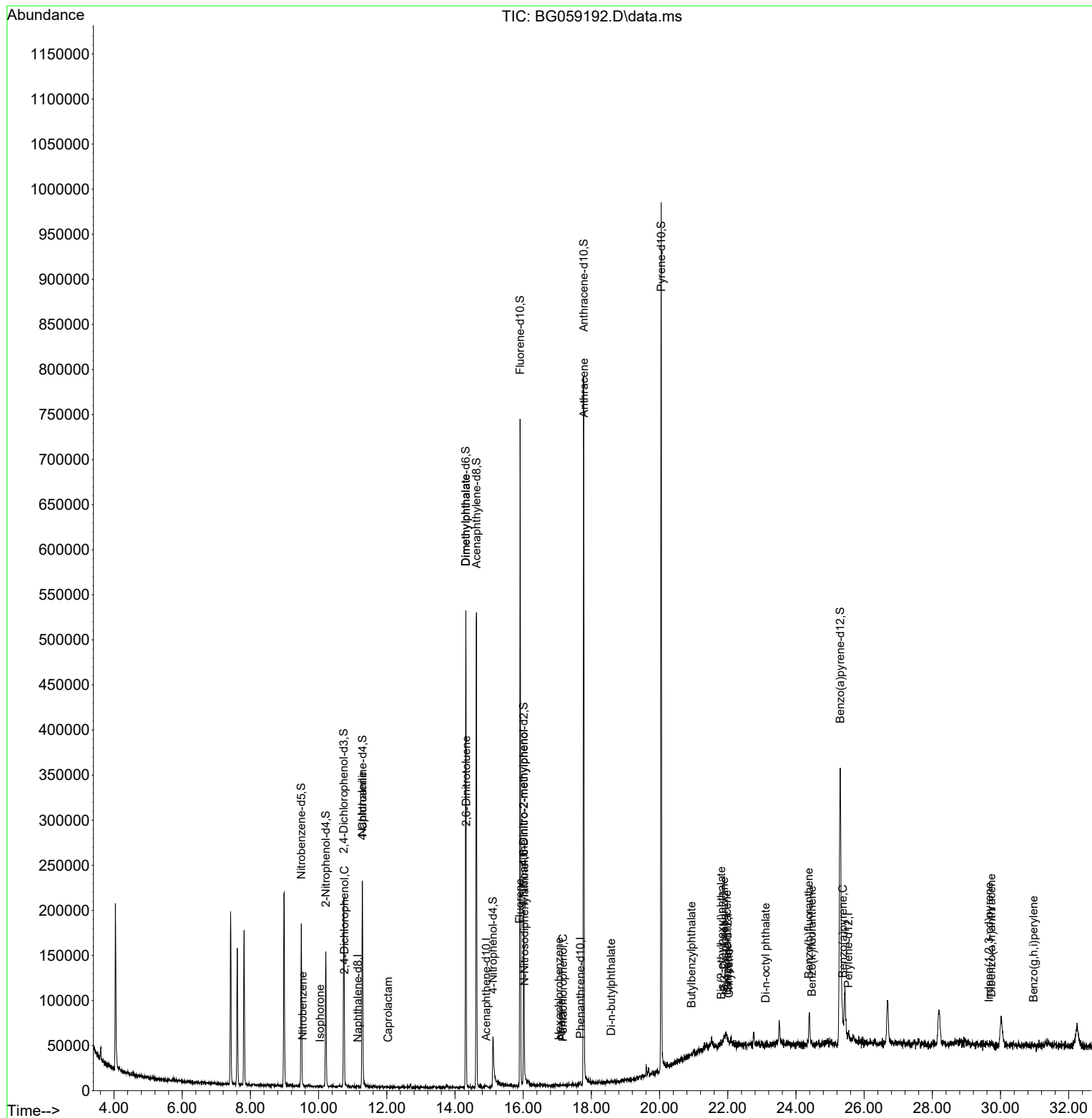
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(a)pyrene	25.374	252	265	3.997	ng/ul#	3
94) Indeno(1,2,3-cd)pyrene	29.658	276	175	2.321	ng/ul#	1
95) Dibenzo(a,h)anthracene	29.728	278	302	4.984	ng/ul#	45
96) Benzo(g,h,i)perylene	30.968	276	83	1.367	ng/ul#	53

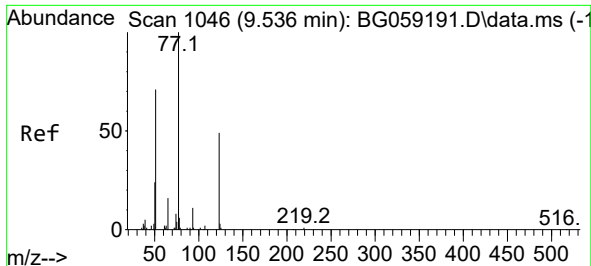
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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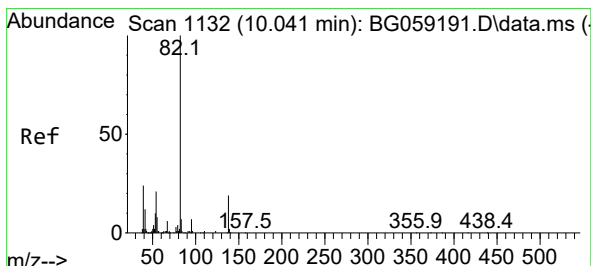
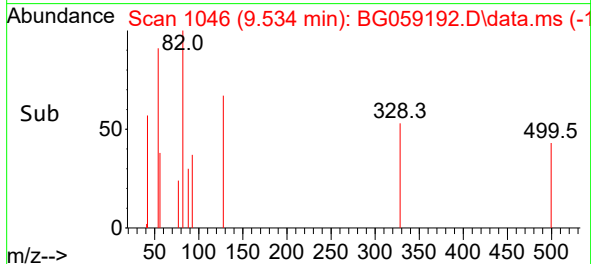
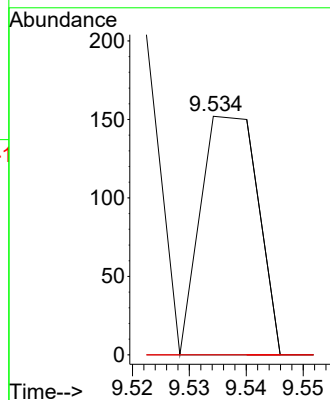
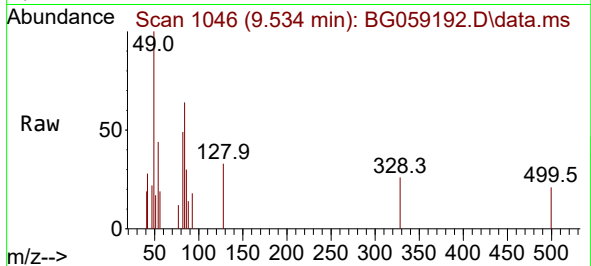




#22
Nitrobenzene
Concen: 12.380 ng/ul
RT: 9.534 min Scan# 1046
Delta R.T. -0.017 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

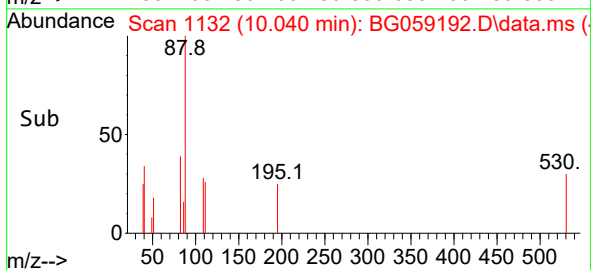
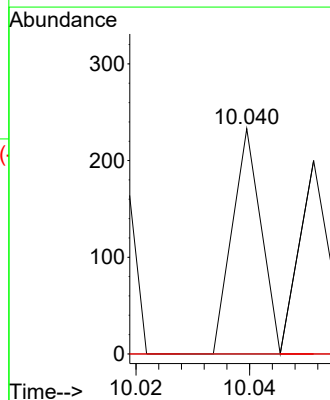
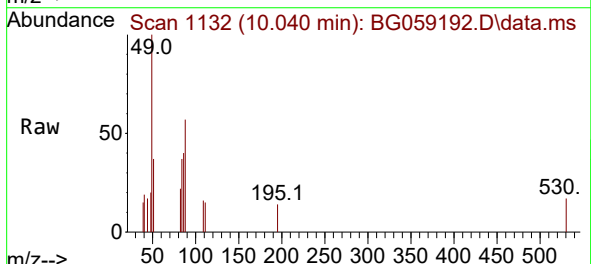
Instrument :
BNA_G
ClientSampleId :
SBLK787

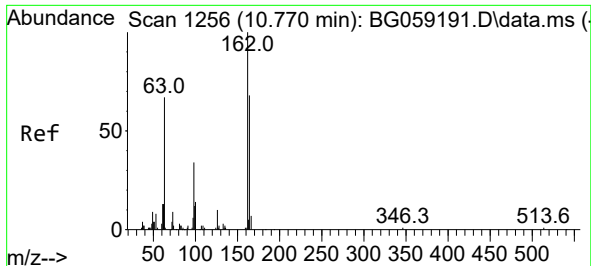
Tgt Ion: 77 Resp: 106
Ion Ratio Lower Upper
77 100
123 0.0 41.8 62.8#
65 0.0 12.3 18.5#



#23
Isophorone
Concen: 4.466 ng/ul
RT: 10.040 min Scan# 1132
Delta R.T. -0.017 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

Tgt Ion: 82 Resp: 82
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 12.7 19.1#





#29

2,4-Dichlorophenol

Concen: 18.007 ng/ul

RT: 10.756 min Scan# 1

Delta R.T. -0.023 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

Instrument :

BNA_G

ClientSampleId :

SBLK787

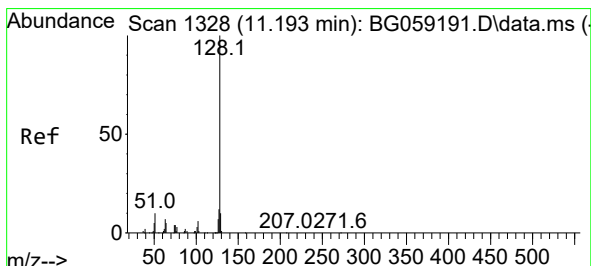
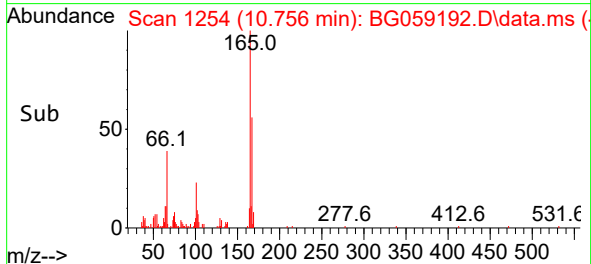
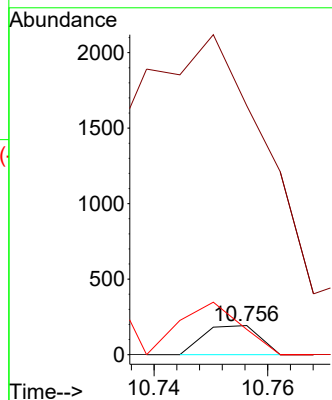
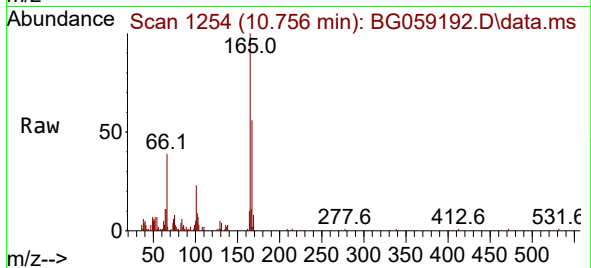
Tgt Ion:162 Resp: 132

Ion Ratio Lower Upper

162 100

164 858.9 49.8 74.8#

98 87.0 25.9 38.9#



#30

Naphthalene

Concen: 3.928 ng/ul

RT: 11.279 min Scan# 1343

Delta R.T. 0.077 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

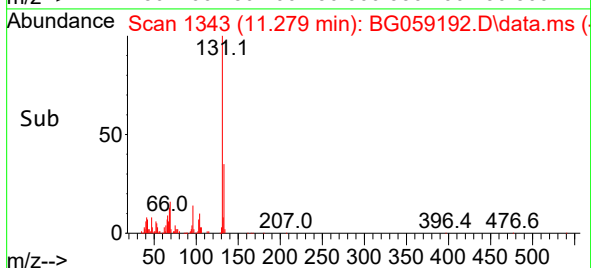
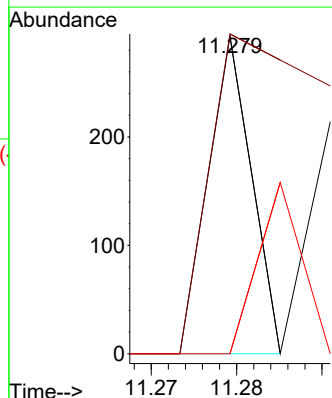
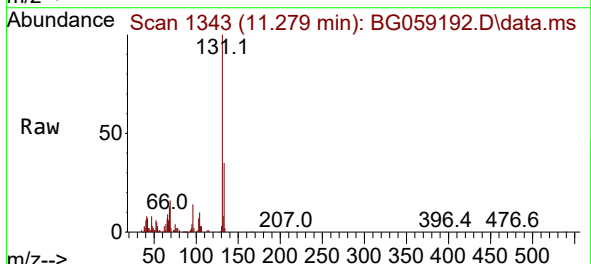
Tgt Ion:128 Resp: 103

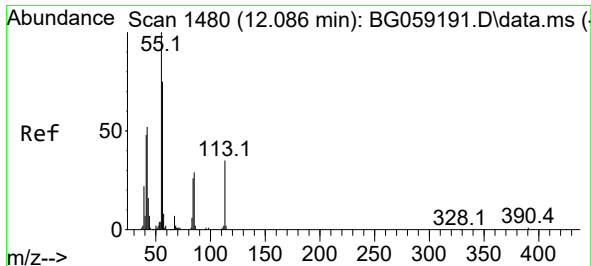
Ion Ratio Lower Upper

128 100

129 100.7 8.4 12.6#

127 0.0 10.2 15.4#

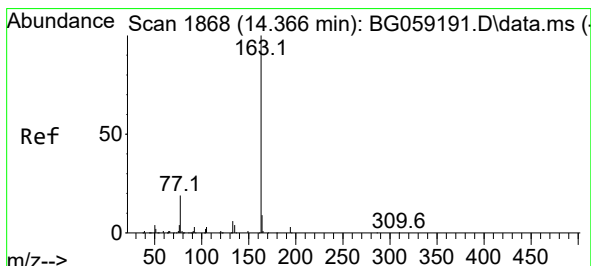
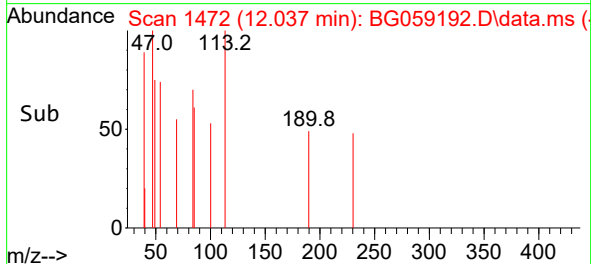
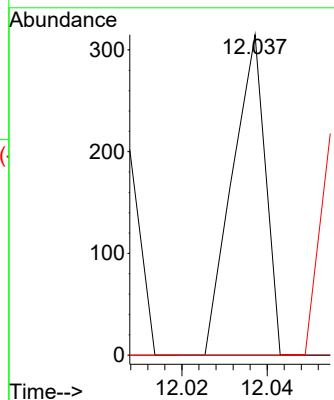
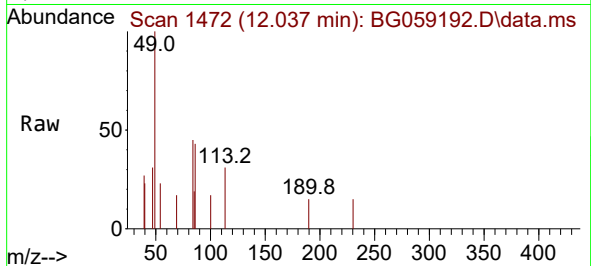




#34
Caprolactam
Concen: 62.954 ng/ul
RT: 12.037 min Scan# 1480
Delta R.T. -0.064 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

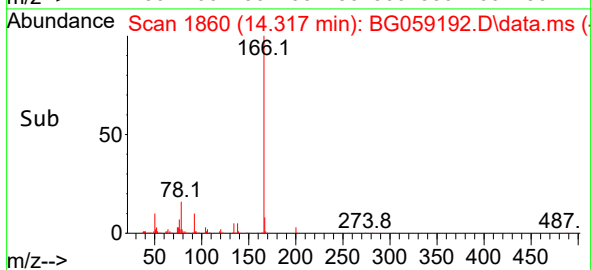
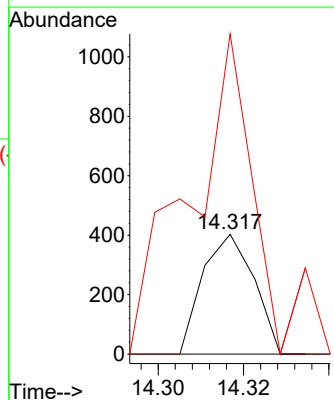
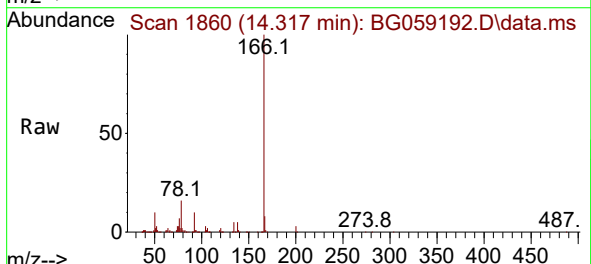
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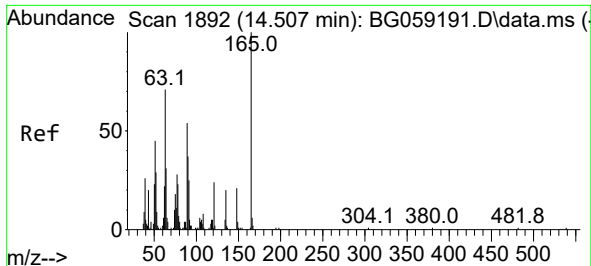
Tgt Ion:113 Resp: 169
Ion Ratio Lower Upper
113 100
55 0.0 157.6 236.4#
56 0.0 112.3 168.5#



#47
Dimethylphthalate
Concen: 5.966 ng/ul
RT: 14.317 min Scan# 1860
Delta R.T. -0.058 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

Tgt Ion:163 Resp: 336
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 267.2 7.6 11.4#

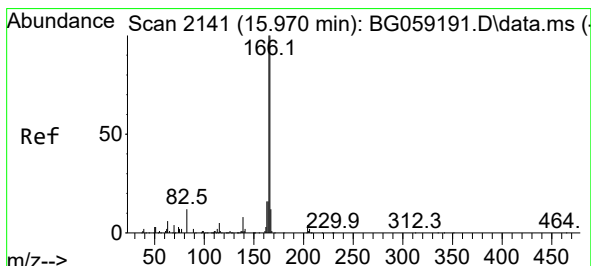
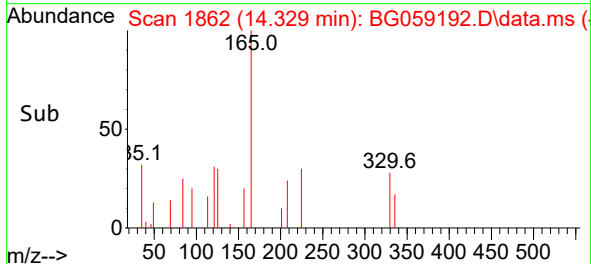
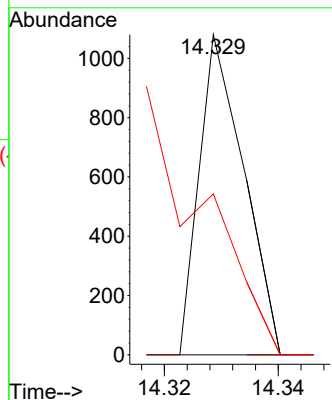
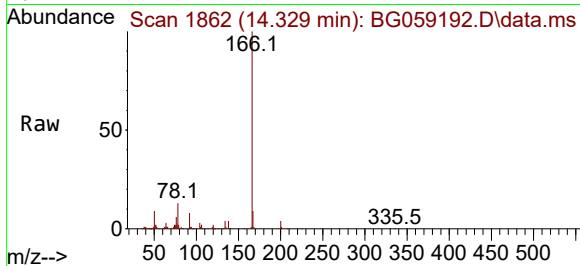




#48
2,6-Dinitrotoluene
Concen: 56.496 ng/ul
RT: 14.329 min Scan# 11
Delta R.T. -0.193 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

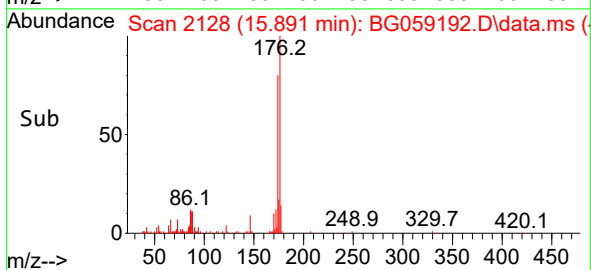
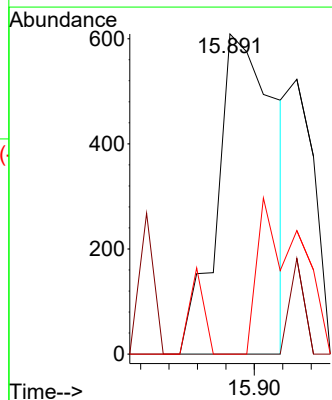
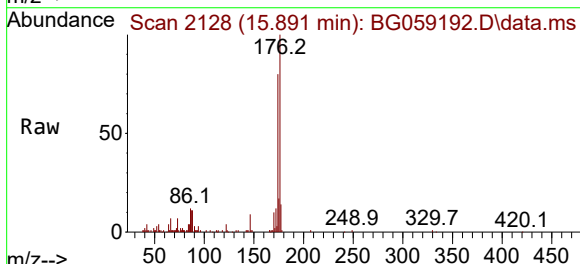
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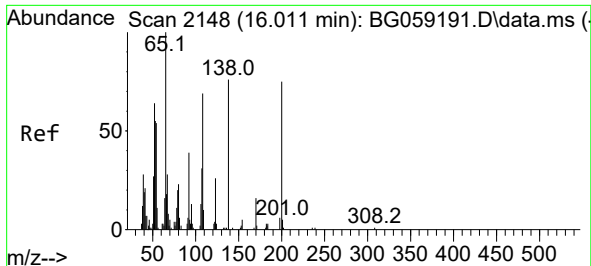
Tgt Ion:165 Resp: 588
Ion Ratio Lower Upper
165 100
89 0.0 38.7 58.1#
121 50.3 13.4 20.0#



#61
Fluorene
Concen: 15.795 ng/ul
RT: 15.891 min Scan# 2128
Delta R.T. -0.088 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

Tgt Ion:166 Resp: 870
Ion Ratio Lower Upper
166 100
165 35.1 81.6 122.4#
167 0.0 12.1 18.1#

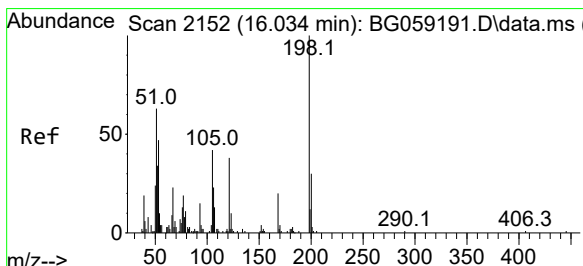
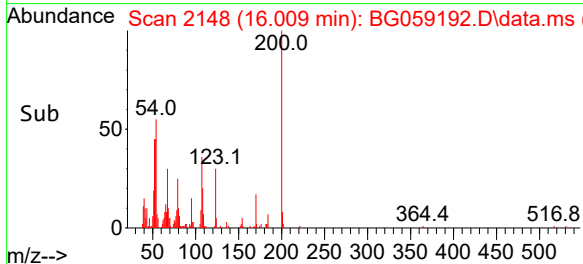
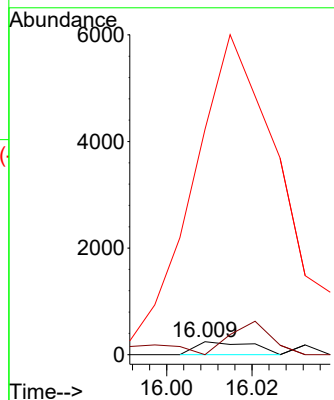
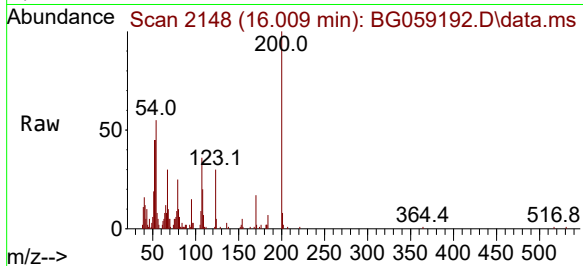




#63
4-Nitroaniline
Concen: 21.230 ng/ul
RT: 16.009 min Scan# 2148
Delta R.T. -0.011 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

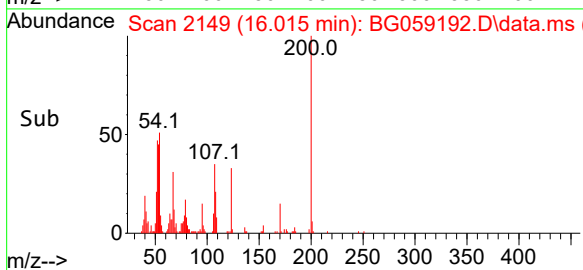
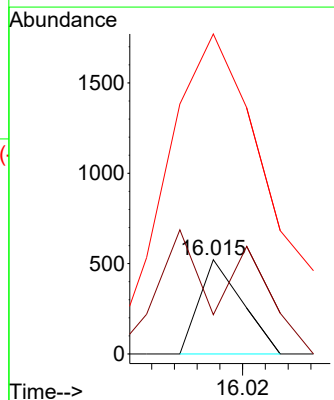
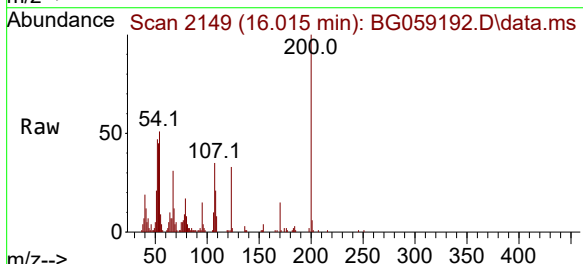
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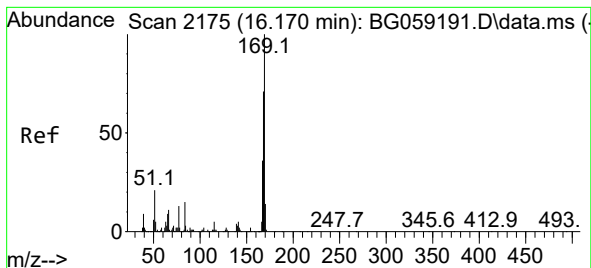
Tgt Ion:138 Resp: 226
Ion Ratio Lower Upper
138 100
92 0.0 39.0 58.6#
108 1739.9 53.5 80.3#



#66
4,6-Dinitro-2-methylphenol
Concen: 26.568 ng/ul
RT: 16.015 min Scan# 2149
Delta R.T. -0.029 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

Tgt Ion:198 Resp: 274
Ion Ratio Lower Upper
198 100
182 41.6 3.5 5.3#
77 339.3 17.3 25.9#





#67

N-Nitrosodiphenylamine

Concen: 3.415 ng/ul

RT: 16.032 min Scan# 2152

Delta R.T. -0.146 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

Instrument :

BNA_G

ClientSampleId :

SBLK787

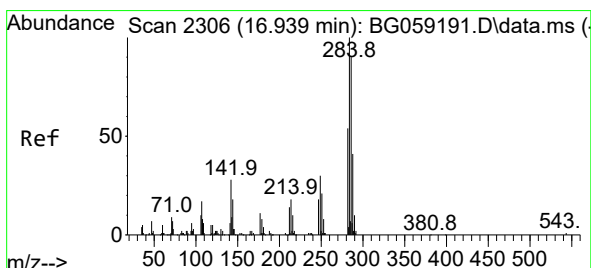
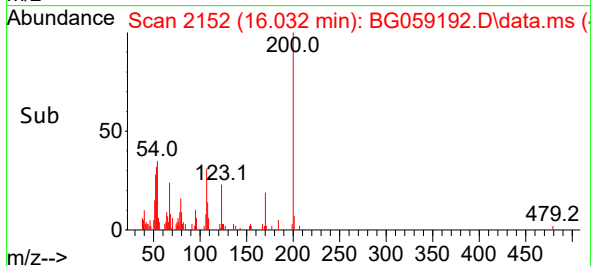
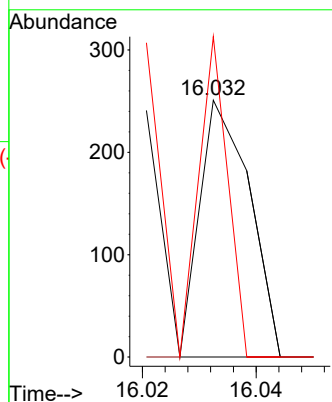
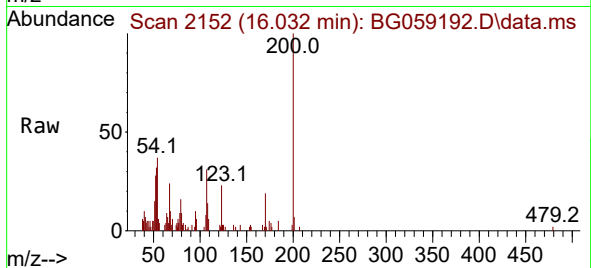
Tgt Ion:169 Resp: 153

Ion Ratio Lower Upper

169 100

168 0.0 52.1 78.1#

167 124.7 30.5 45.7#



#69

Hexachlorobenzene

Concen: 3.572 ng/ul

RT: 17.049 min Scan# 2325

Delta R.T. 0.100 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

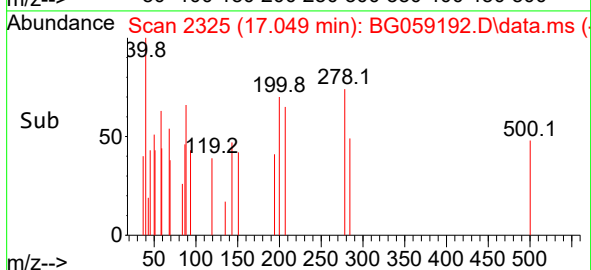
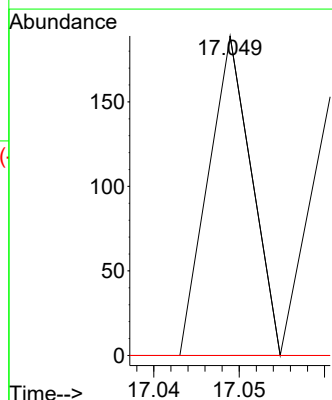
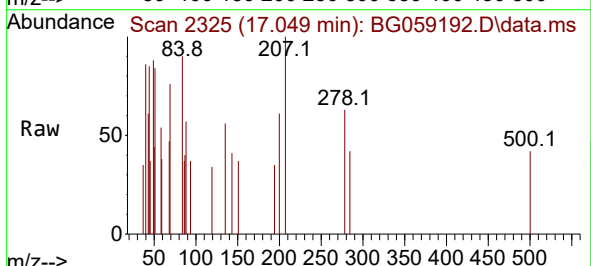
Tgt Ion:284 Resp: 67

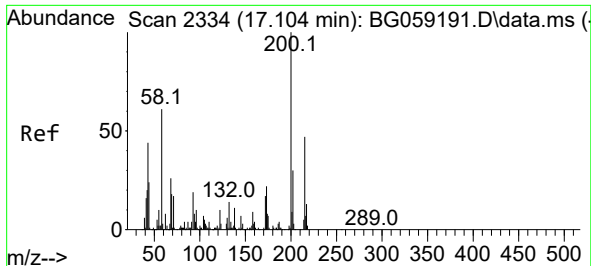
Ion Ratio Lower Upper

284 100

142 0.0 23.2 34.8#

249 0.0 27.8 41.8#

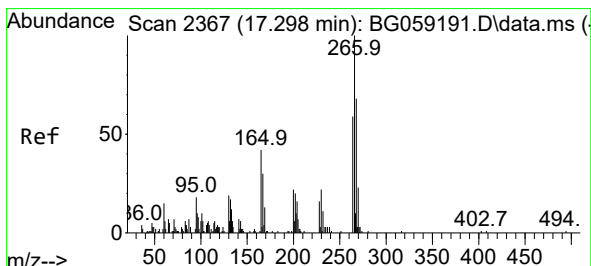
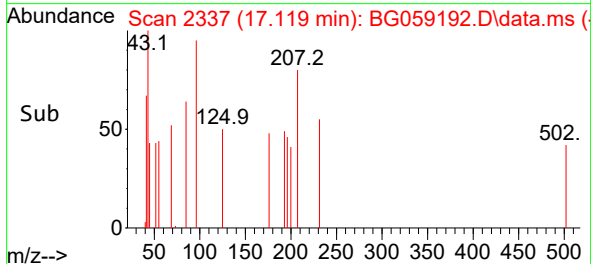
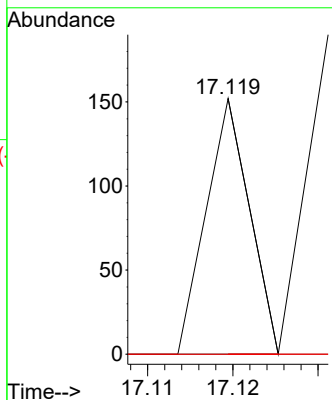
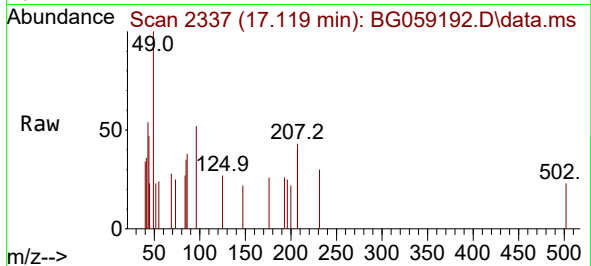




#70
Atrazine
Concen: 3.029 ng/ul
RT: 17.119 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

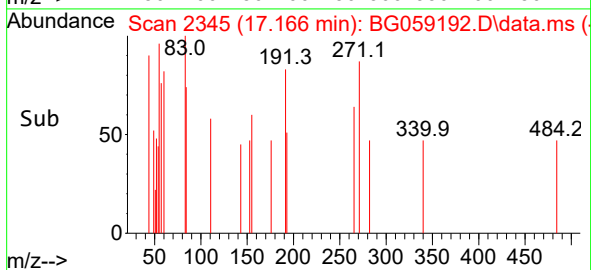
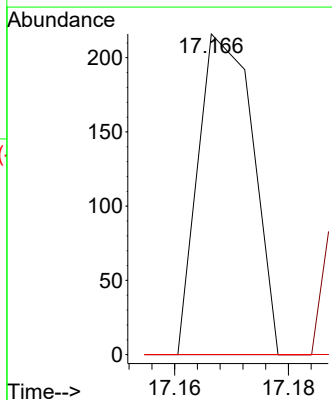
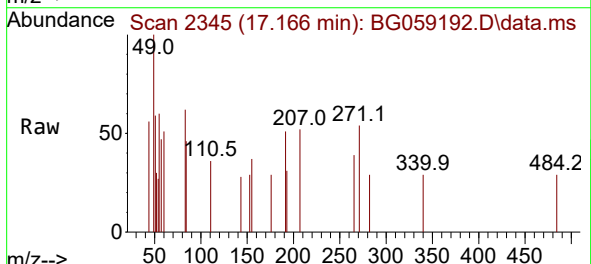
Instrument :
BNA_G
ClientSampleId :
SBLK787

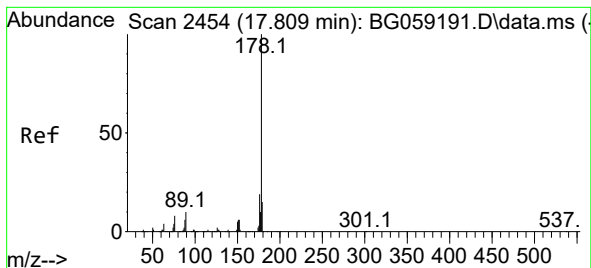
Tgt Ion:200 Resp: 54
Ion Ratio Lower Upper
200 100
173 0.0 19.4 29.0#
215 0.0 38.5 57.7#



#71
Pentachlorophenol
Concen: 11.820 ng/ul
RT: 17.166 min Scan# 2345
Delta R.T. -0.140 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

Tgt Ion:266 Resp: 144
Ion Ratio Lower Upper
266 100
264 0.0 50.6 76.0#
268 0.0 56.4 84.6#





#74

Anthracene

Concen: 1.933 ng/ul

RT: 17.777 min Scan# 2449

Delta R.T. -0.041 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

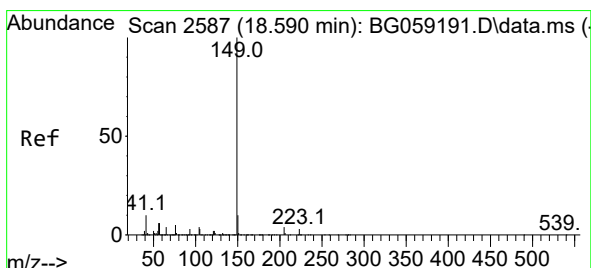
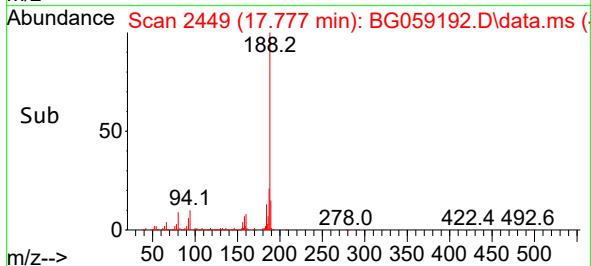
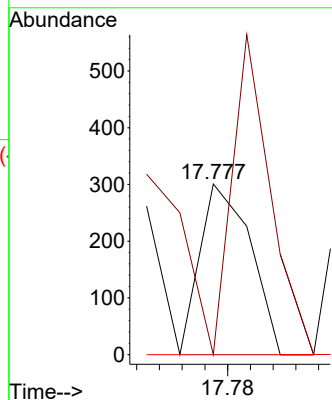
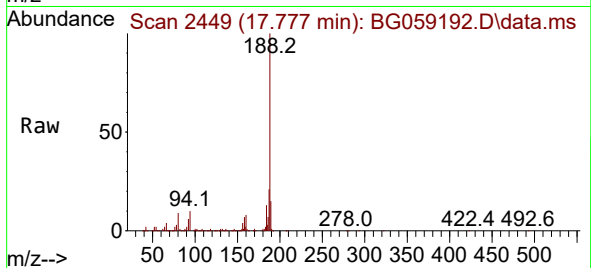
Instrument :

BNA_G

ClientSampleId :

SBLK787

Tgt Ion:178	Resp:	186
Ion Ratio	Lower	Upper
178	100	
179	0.0	12.4 18.6#
176	0.0	14.8 22.2#



#78

Di-n-butylphthalate

Concen: 2.202 ng/ul

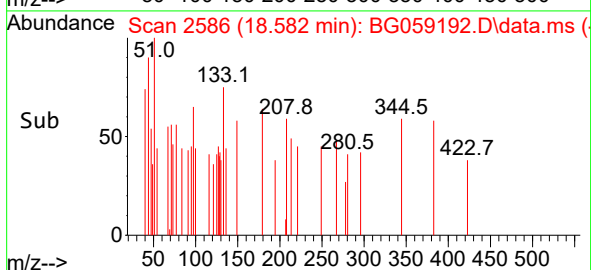
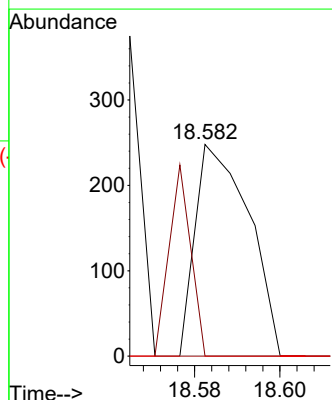
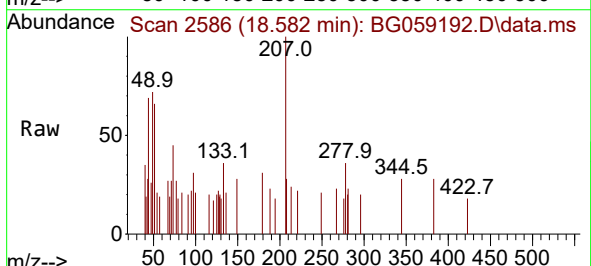
RT: 18.582 min Scan# 2586

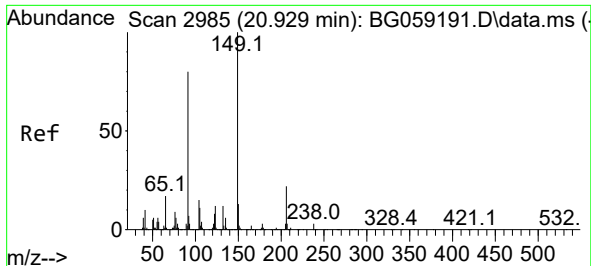
Delta R.T. -0.017 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

Tgt Ion:149	Resp:	217
Ion Ratio	Lower	Upper
149	100	
150	0.0	7.4 11.2#
104	0.0	3.5 5.3#

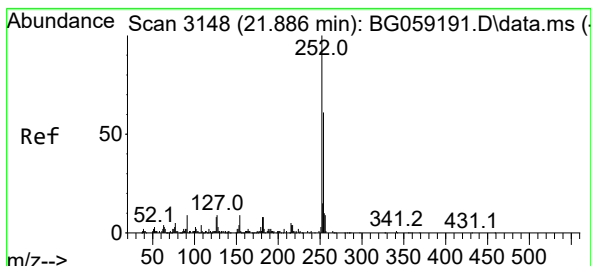
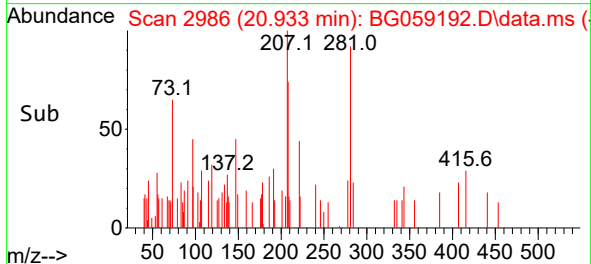
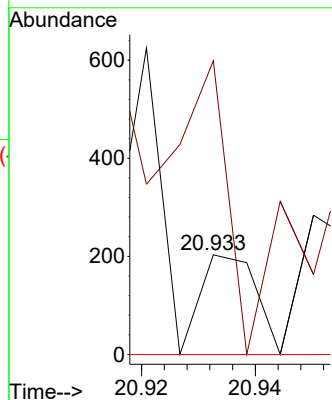
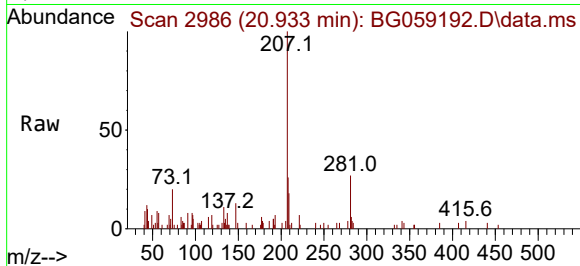




#83
 Butylbenzylphthalate
 Concen: 5.502 ng/ul
 RT: 20.933 min Scan# 2985
 Delta R.T. -0.011 min
 Lab File: BG059192.D
 Acq: 26 Sep 2023 10:56

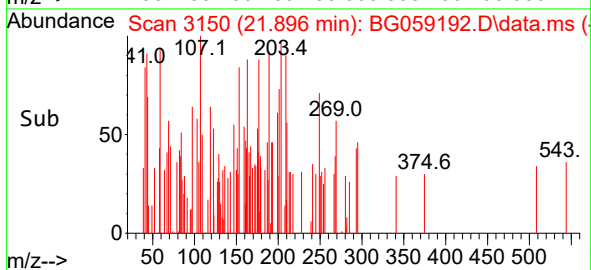
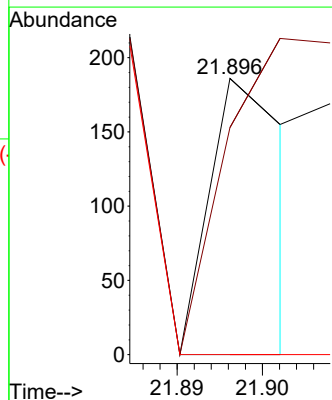
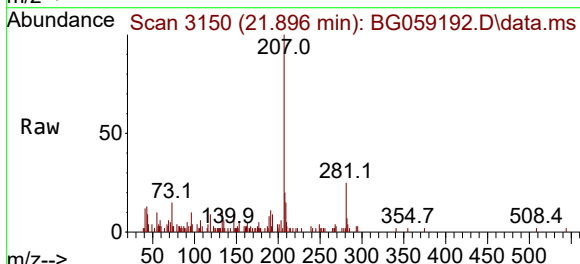
Instrument :
 BNA_G
 ClientSampleId :
 SBLK787

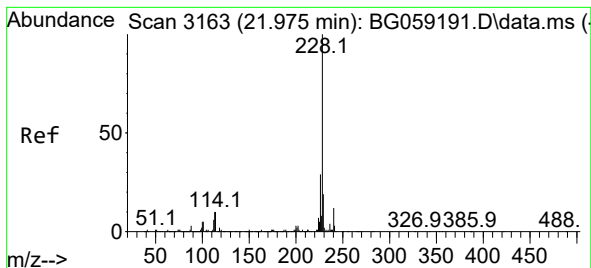
Tgt Ion:149 Resp: 138
 Ion Ratio Lower Upper
 149 100
 91 295.1 61.2 91.8#
 206 0.0 15.8 23.6#



#84
 3,3'-Dichlorobenzidine
 Concen: 5.433 ng/ul
 RT: 21.896 min Scan# 3150
 Delta R.T. 0.001 min
 Lab File: BG059192.D
 Acq: 26 Sep 2023 10:56

Tgt Ion:252 Resp: 120
 Ion Ratio Lower Upper
 252 100
 254 82.3 52.4 78.6#
 126 0.0 8.2 12.2#





#85

Benzo(a)anthracene

Concen: 3.677 ng/ul

RT: 21.973 min Scan# 3163

Delta R.T. -0.011 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

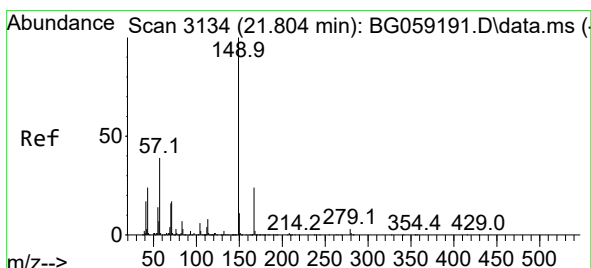
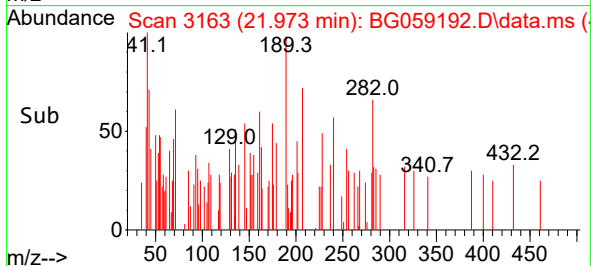
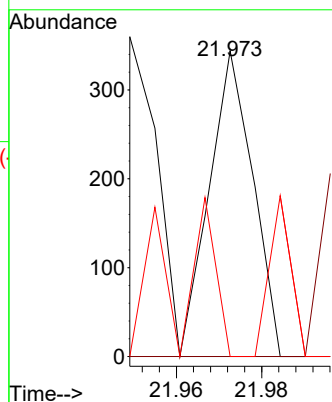
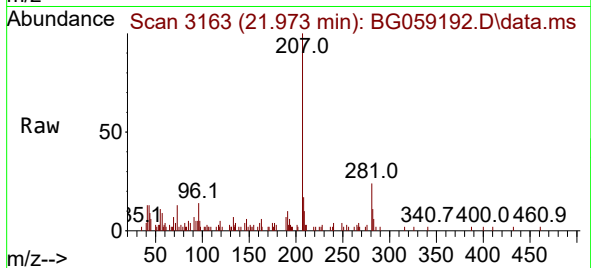
Instrument :

BNA_G

ClientSampleId :

SBLK787

Tgt Ion:	228	Resp:	244
Ion Ratio	Lower	Upper	
228	100		
229	0.0	16.1	24.1#
226	0.0	20.6	30.8#



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.477 ng/ul

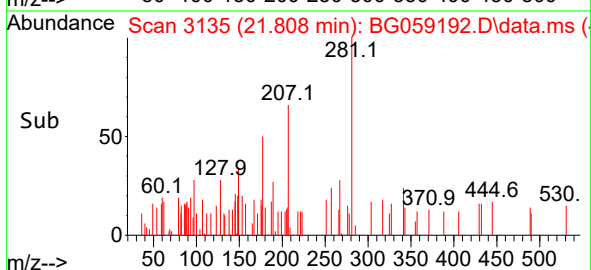
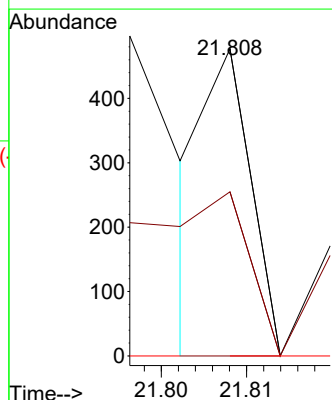
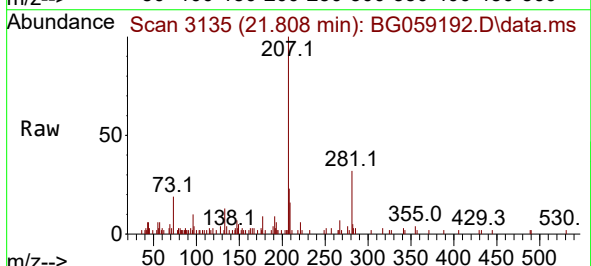
RT: 21.808 min Scan# 3135

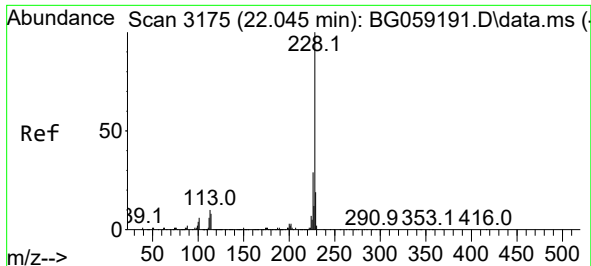
Delta R.T. -0.005 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

Tgt Ion:	149	Resp:	168
Ion Ratio	Lower	Upper	
149	100		
167	53.5	20.2	30.4#
279	0.0	3.2	4.8#

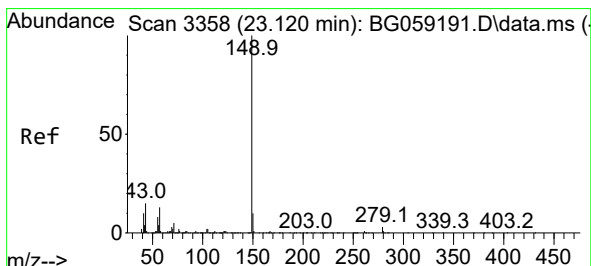
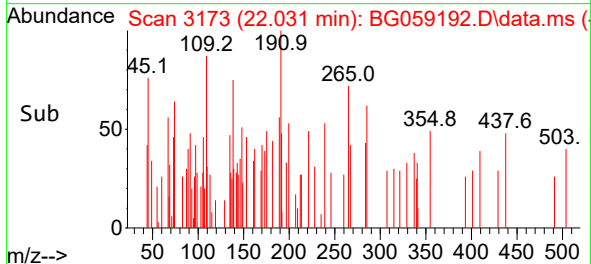
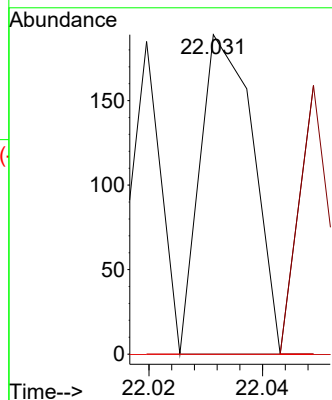
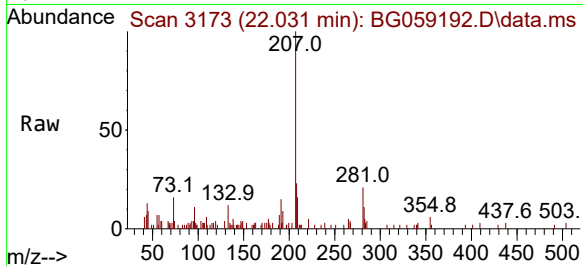




#87
Chrysene
Concen: 1.971 ng/ul
RT: 22.031 min Scan# 3175
Delta R.T. -0.029 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

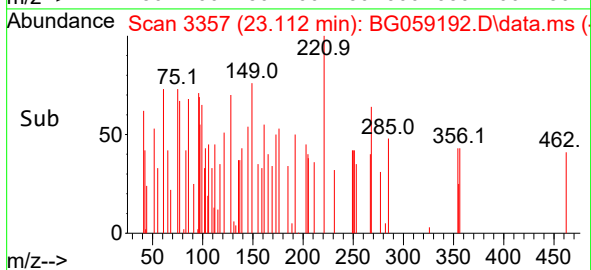
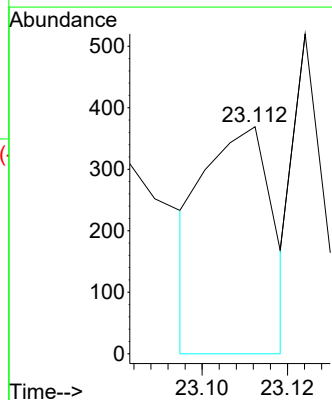
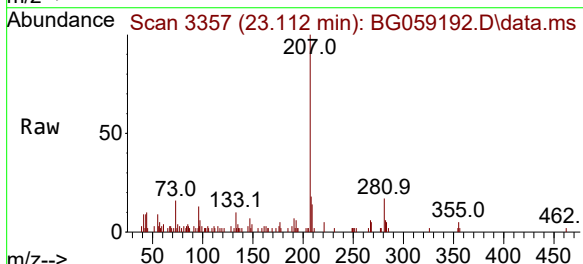
Instrument :
BNA_G
ClientSampleId :
SBLK787

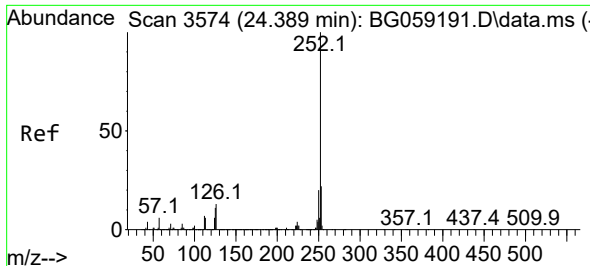
Tgt Ion:228 Resp: 122
Ion Ratio Lower Upper
228 100
226 0.0 23.3 34.9#
229 0.0 15.6 23.4#



#89
Di-n-octyl phthalate
Concen: 6.011 ng/ul
RT: 23.112 min Scan# 3357
Delta R.T. -0.029 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

Tgt Ion:149 Resp: 416

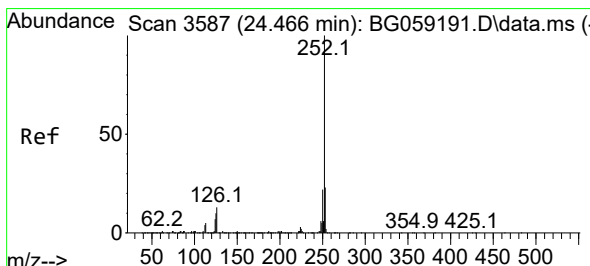
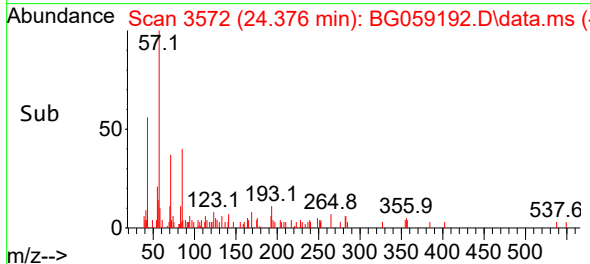
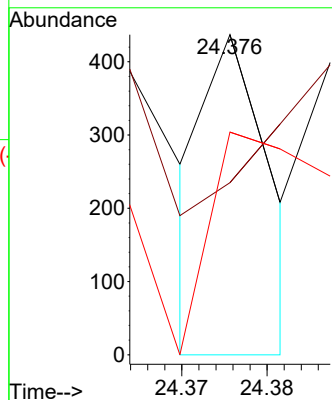
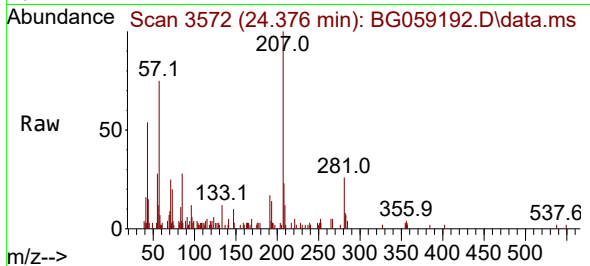




#90
Benzo(b)fluoranthene
Concen: 3.291 ng/ul
RT: 24.376 min Scan# 3572
Delta R.T. -0.035 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

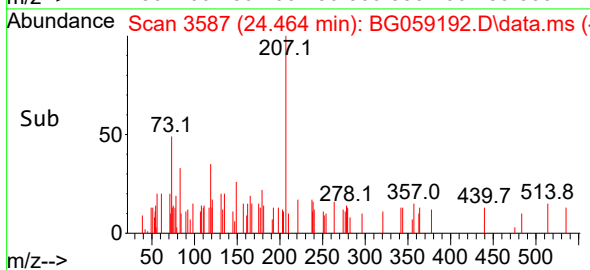
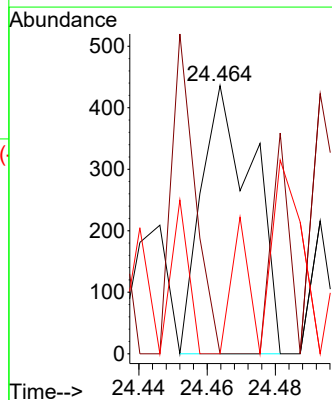
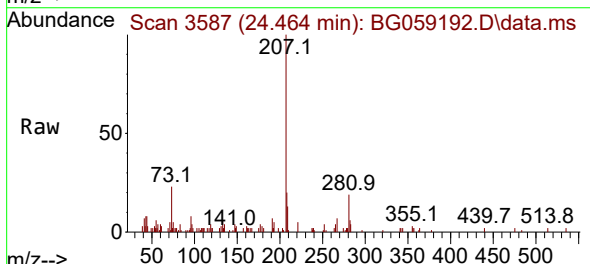
Instrument :
BNA_G
ClientSampleId :
SBLK787

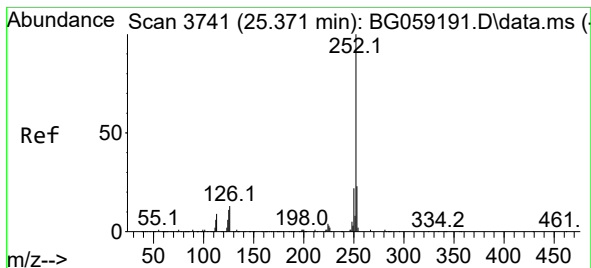
Tgt Ion:252 Resp: 227
Ion Ratio Lower Upper
252 100
253 35.0 17.1 25.7#
125 45.2 8.6 13.0#



#91
Benzo(k)fluoranthene
Concen: 6.418 ng/ul
RT: 24.464 min Scan# 3587
Delta R.T. -0.023 min
Lab File: BG059192.D
Acq: 26 Sep 2023 10:56

Tgt Ion:252 Resp: 459
Ion Ratio Lower Upper
252 100
253 0.0 16.5 24.7#
125 0.0 7.9 11.9#





#93

Benzo(a)pyrene

Concen: 3.997 ng/ul

RT: 25.374 min Scan# 31

Delta R.T. -0.023 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

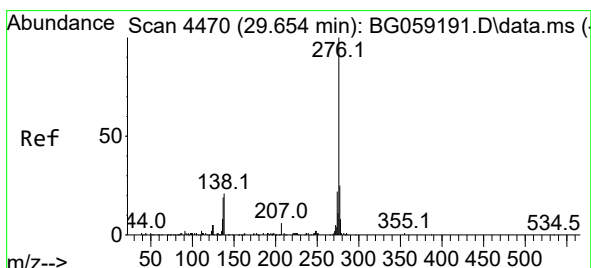
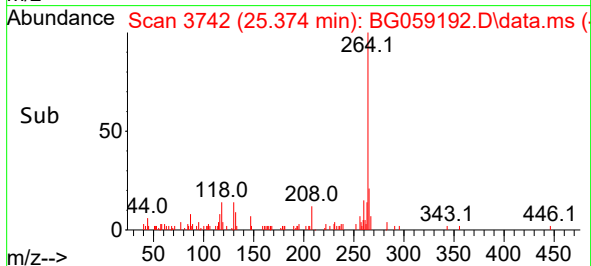
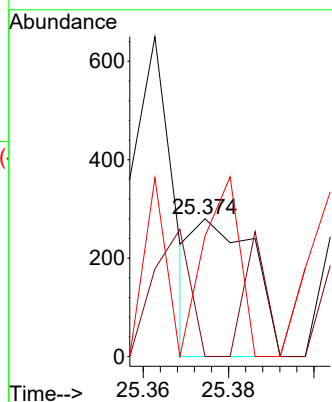
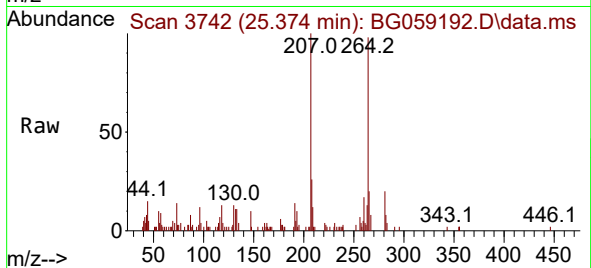
Instrument :

BNA_G

ClientSampleId :

SBLK787

Tgt Ion:252	Resp:	265
Ion Ratio	Lower	Upper
252	100	
253	0.0	17.6 26.4#
125	87.1	8.3 12.5#



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.321 ng/ul

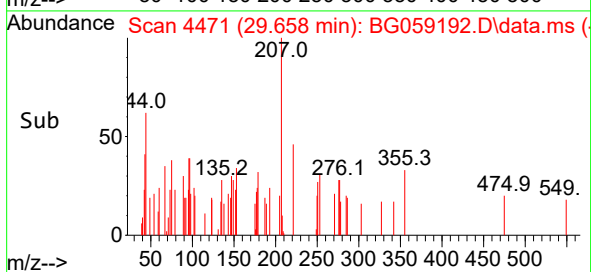
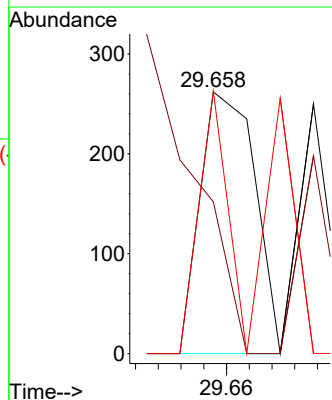
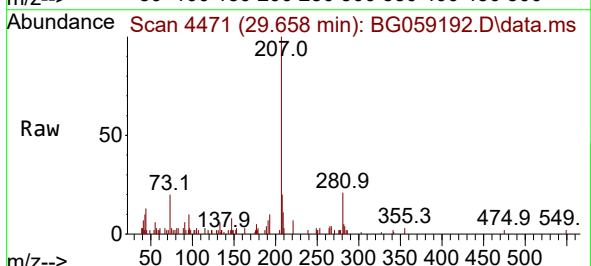
RT: 29.658 min Scan# 4471

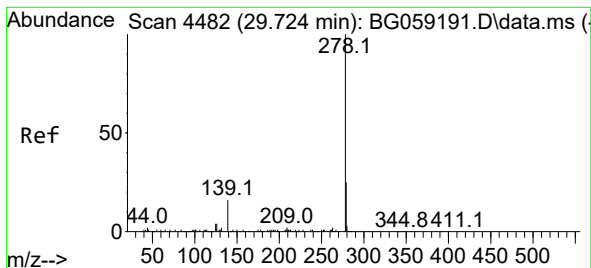
Delta R.T. -0.023 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

Tgt Ion:276	Resp:	175
Ion Ratio	Lower	Upper
276	100	
138	58.0	17.1 25.7#
277	100.4	20.4 30.6#





#95

Dibenzo(a,h)anthracene

Concen: 4.984 ng/ul

RT: 29.728 min Scan# 4483

Delta R.T. -0.035 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

Instrument :

BNA_G

ClientSampleId :

SBLK787

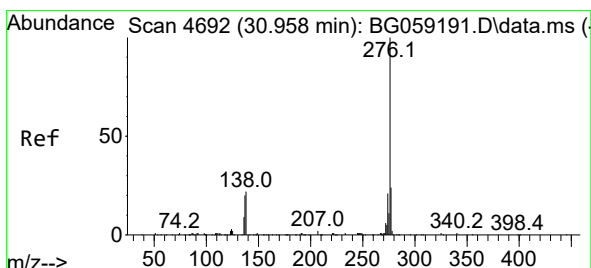
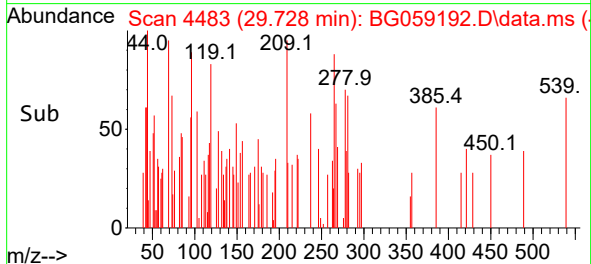
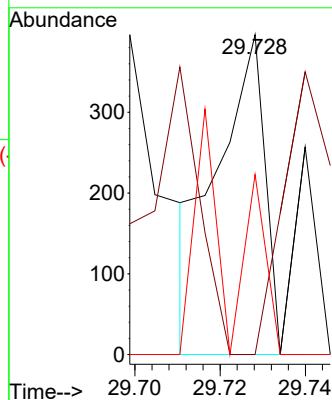
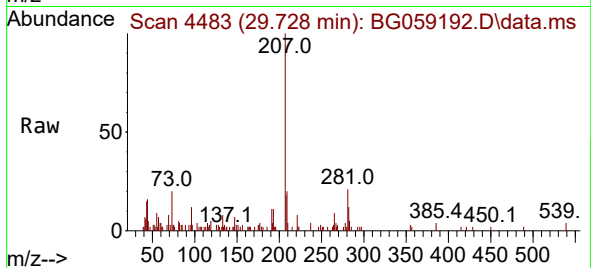
Tgt Ion:278 Resp: 302

Ion Ratio Lower Upper

278 100

139 0.0 13.8 20.6#

279 56.3 19.0 28.4#



#96

Benzo(g,h,i)perylene

Concen: 1.367 ng/ul

RT: 30.968 min Scan# 4694

Delta R.T. -0.035 min

Lab File: BG059192.D

Acq: 26 Sep 2023 10:56

Tgt Ion:276 Resp: 83

Ion Ratio Lower Upper

276 100

138 0.0 16.9 25.3#

277 0.0 19.3 28.9#

